



County of Los Angeles CHIEF EXECUTIVE OFFICE

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WILLIAM T FUJIOKA
Chief Executive Officer

December 18, 2007

The Honorable Board of Supervisors
County of Los Angeles
383 Kenneth Hahn Hall of Administration
500 West Temple Street
Los Angeles, CA 90012

Dear Supervisors:

**DEPARTMENT OF HEALTH SERVICES:
APPROVAL OF A MEMORANDUM OF UNDERSTANDING
WITH THE STATE EMERGENCY MEDICAL SERVICES AUTHORITY
TO ACCEPT THE TEMPORARY TRANSFER OF A DISASTER
AMBULANCE SUPPORT UNIT
(ALL SUPERVISORIAL DISTRICTS)
(3 VOTES)**

IT IS RECOMMENDED THAT YOUR BOARD:

Approve and instruct the Director of Health Services, or his designee, to sign a Memorandum of Understanding (MOU), substantially similar to Exhibit I, with the State Emergency Medical Services Authority (EMSA), to accept the temporary transfer of a Disaster Ambulance Support Unit (DASU). The DASU shall be used for both local and statewide emergency-related purposes, including Ambulance Strike Team (AST) activations, local/regional/statewide mutual aid, and local mass casualty incidents.

PURPOSE/JUSTIFICATION OF RECOMMENDED ACTION

The purpose of the recommended action is to establish a cooperative MOU between the State EMSA and the Department of Health Services (DHS) Emergency Medical Services (EMS) Agency to accept the temporary transfer of a DASU, which is a vehicle that is equipped with communication equipment, medical equipment, and support supplies. The DASU will be used during emergencies and disasters, and will increase the response capability of DHS' Ambulance Services.

Board of Supervisors
GLORIA MOLINA
First District

YVONNE B. BURKE
Second District

ZEV YAROSLAVSKY
Third District

DON KNABE
Fourth District

MICHAEL D. ANTONOVICH
Fifth District

Implementation of Strategic Plan Goals

These actions support the County's Strategic Plan Goal No. 1 for Service Excellence by enhancing the County's readiness in the event of a major disaster.

FISCAL IMPACT/FINANCING

The State EMSA will provide DHS with a DASU, at no cost to the County. Routine maintenance and repairs of \$100 or less, and repairs that exceed \$100 due to County misuse/negligence of any individual DASU item, shall be the responsibility of the County. With respect to the equipment consumed or otherwise made unavailable for use as a result of a dispatch resulting from the State, such equipment shall be replaced by the State. All other expenses associated with the DASU are the responsibility of the State.

Funding, if needed, for maintenance and repairs, is included in the DHS Health Services Administration Fiscal Year 2007-08 Final Budget and will be requested in future fiscal years.

FACTS AND PROVISIONS/LEGAL REQUIREMENTS

The State EMSA developed a statewide program to manage the delivery of ambulance resources in large scale disaster events. This program, referred to as ASTs is comprised of one DASU, five ambulances, one AST leader and ten emergency medical technicians or paramedics.

This MOU allows for the acceptance of a DASU. During disasters, and training for local mass casualty events, the DASU will enhance DHS' response capabilities by providing specific equipment and supplies required for an immediate response, which will allow for increased staff self-sufficiency in the event of an emergency. The MOU shall become effective upon full execution of the MOU by both parties and will continue indefinitely until terminated by either party.

Attachment A provides additional information.

County Counsel has approved Exhibit I as to use and form.

Honorable Board of Supervisors
December 18, 2007
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CONTRACTING PROCESS

The recommended MOU is between the State EMSA and the County. This contracting opportunity was offered to the County and is critical to the ongoing enhancement of disaster preparedness activities.

IMPACT ON CURRENT SERVICES (OR PROJECTS)

The receipt of a DASU will enhance DHS' Ambulance Services' ability to provide ambulance resources following a disaster by participating in the State AST program.

CONCLUSION

When approved, DHS requires three signed copies of the Board's action.

Respectfully submitted,



WILLIAM T FUJIOKA
Chief Executive Officer

WTF:SRH
SAS:LT:bjs

Attachments (2)

c: County Counsel
Auditor-Controller
Director and Chief Medical Officer, Department of Health Services
Chair, Emergency Medical Services Commission
Hospital Association of Southern California

SUMMARY OF MEMORANDUM OF UNDERSTANDING

1. **TYPE OF SERVICE**

The establishment of a cooperative Memorandum of Understanding (MOU) between the State EMSA and the Department of Health Services (DHS) Emergency Medical Services (EMS) Agency to accept the temporary transfer of a Disaster Ambulance Support Unit (DASU) which, during disasters, will increase the response capability of DHS' Ambulance Services.

2. **AGENCY ADDRESS AND CONTACT PERSON**

State Emergency Medical Services Authority
1930 9th Street
Sacramento, California 95814-7043
Attention: Carol MacRae, Contracts Manager
Telephone: (916) 322-4338
E-mail: Carol.MacRae@EMSA.CA.GOV

3. **TERM**

This MOU will become effective upon full execution by the parties and continue indefinitely until terminated by either party.

4. **FINANCIAL INFORMATION**

The State EMSA will provide DHS with a DASU at no cost to the County. Routine maintenance and repairs of \$100 or less, and repairs that exceed \$100 due to County misuse/negligence of any individual DASU item, shall be the responsibility of the County. All other expenses associated with the DASU are the responsibility of the State. Funding is included in DHS Health Services Administration's Fiscal Year 2007-08 Final Budget and will be requested in future fiscal years.

5. **PRIMARY GEOGRAPHIC AREA TO BE SERVED**

Countywide.

6. **APPROVALS**

Emergency Medical Services:	Cathy Chidester, Acting Director
Contracts and Grants Division:	Cara O'Neill, Chief
County Counsel:	Edward A. Morrissey, Senior Deputy County Counsel
CEO Budget Unit:	Latisha Thompson

MEMORANDUM OF UNDERSTANDING

For The
Temporary Transfer of the Disaster Ambulance Support Unit (DASU)

THIS AGREEMENT, entered into this ____ day of _____, 2007 between the **STATE OF CALIFORNIA EMERGENCY MEDICAL SERVICES AUTHORITY** (hereinafter referred to as the "the **STATE**" or "**EMSA**") and the County of Los Angeles acting through its Department of Health Services (hereinafter referred to as the **RECIPIENT**) for the purpose of transferring the Disaster Ambulance Support Unit (DASU) and all equipment and supplies.

IT IS HEREBY MUTUALLY AGREED between the parties hereto as follows:

1. The **STATE** hereby transfers possession to the **RECIPIENT** and **RECIPIENT** hereby accepts possession from the **STATE** the Disaster Ambulance Support Unit (DASU) and equipment (hereinafter collectively referred to as "DASU" except where it is desired to refer to equipment alone, in which case the term "equipment" is used) and Equipment listed on the attached Exhibit A which are by this reference made a part of this Agreement.
2. All usage of state vehicles must comply with all policies and procedures set forth in the State of California fleet handbook and the California Vehicle Code.
3. The DASUs shall be used for both local and statewide emergency related purposes, including the following types of response activities: **STATE** initiated Ambulance Strike Team (AST) activations, local / regional / statewide mutual aid, and local mass casualty incidents. DASUs may also be used for the following purposes such as: parades, displays, demonstrations, and training of emergency medical technicians and paramedics.
4. **STRIKE TEAM MANAGEMENT / READINESS / RESPONSE:** The **RECIPIENT** agrees to manage an ambulance strike team within EMSA guidelines and maintain the DASU in a constant state of readiness to facilitate a rapid response to local, regional, and state emergencies. The **RECIPIENT** shall maintain and keep a current listing of local AST leaders and providers and will activate an AST within 1 hour of notification whenever possible, with activation in no more than 2 hours in extenuating circumstances. For the purpose of this MOU, an AST consists of 1 DASU, 5 ambulances, 1 AST leader, and 10 EMTs and/or paramedics.
5. **RECIPIENT** may add additional equipment and supplies to the attached Exhibit A; however, no deletions from the basic supply load may be made by the **RECIPIENT** without permission from the **STATE**. The **RECIPIENT** is responsible

for maintaining the basic supply inventory at all times for disaster response.

6. **HOUSING/AVAILABILITY:** The DASU must be housed in a location where it is readily available to AST leaders and in close proximity to area ambulances that will be included in an AST. The DASU must be maintained and stored in a location where it will be made available within 1 hour of a **STATE** activated AST activation. During the term of this transfer, the **RECIPIENT** agrees to adequately house, staff, operate, maintain and repair said DASU at its sole cost and expense, save as otherwise expressly provided in this agreement. Equipment shall be housed on property of the **RECIPIENT** in a manner to provide reasonable protection against inclement weather, sabotage, theft or malicious damage.
7. **MAINTENANCE, REPAIR AND REPLACEMENT:** Equipment shall be maintained in such condition that it is available for immediate emergency use, and at the same standard as other emergency equipment operated by the **RECIPIENT**. Maintenance shall include care of equipment, tires, lubrication where appropriate; fuel; general cleaning and polishing; minor body repairs; periodic testing; and training. Repairs shall include, without being limited to, motor tune-ups, transmission repairs, differential and all running gears, brake and exhaust systems, cooling devices including radiator, and so forth.
 - a. Maintenance and repairs to the extent of \$100.00 for each individual item of maintenance or repair shall be the responsibility of **RECIPIENT**.
 - b. Repairs to the extent that they exceed \$100.00 for each individual item of repair shall be the responsibility of the **STATE** on a \$100.00 deductible basis, unless in the judgment of the **STATE** the same results from misuse or negligence (*failure to exercise the degree of care expected of a person of ordinary prudence in like circumstances in protecting people and property from a foreseeable and unreasonable risk of harm in a particular situation*) on the part of the **RECIPIENT** in the maintenance or use of the equipment, in which event the cost of each such item of repair above \$100.00 shall also be the responsibility of the **RECIPIENT**. In no event shall the **RECIPIENT** arrange for repairs costing above \$100.00 for any item of repair, whether it deems the same to be the responsibility of **STATE** or the **RECIPIENT**, without first obtaining authorization in writing from the **STATE** or in emergency situations, through a pre-designated authorized repair facility, as per the attached State of California Fleet Handbook. This document can be viewed at: <http://www.documents.dgs.ca.gov/ofa/handbook.pdf>.
 - c. Notwithstanding the foregoing, replacement of tires and batteries shall be the responsibility of the **STATE**, save to the extent the **STATE** deems damage thereto to be the result of negligence or misuse on the part of the **RECIPIENT**, in which event the **RECIPIENT** will bear such portion of the

replacement cost thereof as the **STATE** deems equitable. Procurement of tires and batteries is subject to State fiscal policies and procedures, and written approval must be obtained from the **STATE**, prior to procurement.

- d. Repair or replacement of the equipment transferred hereunder which is consumed, lost, stolen, damaged or destroyed during mutual aid operations when the **STATE** has dispatched or directed the dispatch of said equipment as part of the state's medical mutual aid system or when the **STATE** has reassigned said equipment pursuant to the provisions of 6(b) of this agreement, shall be the responsibility of the **STATE**. However if any such loss, damage or consumption is due to the negligence (*failure to exercise the degree of care expected of a person of ordinary prudence in like circumstances in protecting people and property from a foreseeable and unreasonable risk of harm in a particular situation*) of the recipient under such circumstances, the recipient shall be liable; therefore, to the extent that the **STATE** deems equitable. The **RECIPIENT** agrees that it will assume responsibility in full for the repair or replacement of equipment which has been consumed, lost, stolen, damaged or destroyed in operations other than referred to in this paragraph.
 - e. Any dispute concerning a question of fact arising under this agreement that is not disposed of by agreement shall be decided by the **STATE**, upon consideration of any written or verbal evidence submitted by the **RECIPIENT**. In the event of any disagreement as to the resolution, a final determination issued in writing will be made by the Director of **EMSA**.
- 8. **INSPECTION OF EQUIPMENT AND SUPPLIES:** The **RECIPIENT** agrees that representatives of the **STATE** and other authorized State personnel may inspect the equipment and supplies at any time during normal daylight business hours of the **RECIPIENT**.
 - 9. **TRAINING:** Continued training is authorized and shall include training to meet the AST Guidelines and training for local mass casualty events so that trained personnel shall at all times be available to staff an AST in the event of a declaration of a state of extreme emergency or as requested by the **STATE**.
 - 10. **DISPATCHING:** All movement of the equipment shall be handled through the official dispatching channels of the **RECIPIENT**. **RECIPIENT** dispatchers will recognize and act on all official requests for movement of the equipment in conformance with the State Disaster Medical Response Plan. The **STATE** reserves the right to dispatch, direct the dispatch of, or temporarily reassign the DASU whenever, in the opinion of the Director of **EMSA**, his/her representatives, Regional Disaster Medical/Health Coordinators, or Medical/Health Operational Area Coordinators that the DASU is essential to the protection of life and property in another jurisdiction. If the state dispatches, directs the dispatch of, or temporarily reassigns the DASU, the recipient has the right to cancel this

agreement immediately.

11. **REIMBURSEMENT FOR MUTUAL AID RESPONSE:** Reimbursement procedures for mutual aid response shall be in accordance with the Standardized Emergency Management System (SEMS).
12. **STAFFING / DASU OPERATION:** The **RECIPIENT** agrees to ensure that the DASU is operated only by qualified personnel.
 - a. During any **emergency or disaster response** the DASU driver must be one who holds a valid California Drivers License and Ambulance Drivers Certificate or an Emergency Vehicle Operators training (Emergency Vehicle Operators Certificate preferred).
 - b. During any **other permitted uses** (see #3), the DASU driver must hold a valid California Drivers License and Ambulance Drivers Certificate or with emergency vehicle operators training (Emergency Vehicle Operators Certificate preferred).
 - c. During **non-emergency operation** such as movement for maintenance or stocking purposes, the DASU driver shall possess at a minimum a valid California Drivers License.
 - d. County or Local EMS Agency that are the **RECIPIENT** will ensure that the DASU is operated by qualified personnel meeting the above or comparable requirements.
13. **REPORTS AND RECORDS:** The **RECIPIENT** shall maintain daily, monthly and quarterly reports as required by the **STATE** on the details of use of the DASU and training on forms provided by the **STATE**, and shall forward one copy of the reports quarterly to the **STATE**, and shall keep and forward such other forms as may be required by the **STATE** or its duly authorized representative. In addition, a detailed report on the use of the DASU on each response shall be submitted within seven days thereafter to the **STATE**, with copies of this report forwarded to the appropriate Regional Disaster Medical/Health Coordinators, or Medical/Health Operational Area Coordinators.
14. **REPORTING OF ACCIDENT(S):** Immediately following any and all accidents involving the DASU, it shall be the responsibility of the **RECIPIENT** to fill out Standard Form 270 (STD.270), "Report of Automobile Accident," (see page 10 of the State of California Fleet Handbook) and a copy of the appropriate Workers Compensation Forms for personal injuries, and file the reports with the **STATE**. A copy of these reports shall be retained by the **RECIPIENT** and the original and four copies forwarded to the **STATE**. The original STD.270, and three copies of the report will be filed by the **STATE** with the State Insurance Officer, and the fourth copy will be retained in the **STATE** files as a memorandum copy. The **STATE** will provide all required forms, logs, cards and instruction in a suitable

binder.

15. **INSURANCE PROTECTION (OTHER THAN STATE AGENCIES):**

- a. The **RECIPIENT** agrees forthwith to furnish evidence of insurance protecting the legal liability of the **RECIPIENT** and the **STATE** pursuant to the provisions of Division 9, Chapter 1, Article 1 (Sections 17000 et seq.), of the Vehicle Code of California, with bodily injury limits of liability in the amount of \$1,000,000 per occurrence, by means of a Certificate of Insurance naming the STATE as additional Insured. Said certificate shall contain an agreement by the insurance company that it will not cancel said policy without 30 days prior written notice to the **STATE** and that the **STATE** is not liable for the payment of any premiums or assessments thereon.
- b. In the event the **RECIPIENT** is self-insured, **RECIPIENT** in lieu of a certificate of insurance shall furnish the **STATE** a statement of such fact. In such event **RECIPIENT** agrees to hold the **STATE** harmless from any personal injury or property damage claims arising out of its maintenance, use or operation of the equipment under the terms of this agreement.

16. **INSURANCE PROTECTION (OTHER STATE AGENCIES):** If applicable, any insurance necessary for coverage of the equipment shall be the sole responsibility of the **RECIPIENT** having custody of the equipment. The **RECIPIENT** agrees to report equipment as being under its control to the Insurance Officer, Department of General Services.

17. **INSURANCE PROTECTION (PRIVATE PARTY INSURANCE REQUIREMENTS):**

General Provisions Applying to All Policies

- a) **Coverage Term** – Coverage needs to be in force for the complete term of the Contract. If insurance expires during the term of the contract, a new certificate must be received by the State at least ten (10) days prior to the expiration of this insurance. Any new insurance must still meet the original terms of this Contract.
- b) **Policy Cancellation or Termination and Notice of Non-Renewal** – Insurance policies shall contain a provision stating coverage will not be cancelled without 30 days prior written notice to the State. In the event Contractor fails to keep in effect at all times the specified insurance coverage, the State may, in addition to any other remedies it may have, terminate this Contract upon the occurrence of such event, subject to the provision of this Contract.

- c) **Deductible** – Contractor is responsible for any deductible or self-insured retention contained within their insurance program.
- d) **Primary Clause** – Any required insurance contained in this contract shall be primary, and not excess or contributory, to any other insurance carried by the State.
- e) **Insurance Carrier Required Rating** – All insurance companies must carry an AM Best rating of at least "A-." If the Contractor is self insured for a portion or all of its insurance, review of financial information including a letter of credit may be required.
- f) **Endorsements** – Any required endorsements requested by the State must be physically attached to all requested certificates of insurance and not substituted by referring to such coverage on the certificate of insurance.
- g) **Inadequate Insurance** – Inadequate or lack of insurance does not negate the contractor's obligations under the contract.

Insurance Requirements Applying to this Contract

- a) **Commercial General Liability** – Contractor shall maintain general liability with limits of not less than \$1,000,000 per occurrence for bodily injury and property damage liability combined. The policy shall include coverage for liabilities arising out of premises, operations, independent contractors, products, completed operations, personal, personal & advertising injury, and liability assumed under an insured contract. This insurance shall apply separately to each insured against whom claim is made or suit is brought subject to the contractor's limit of liability.

The policy must include the State of California, its officers, agents, employees and servants as additional insureds, but only insofar as the operations under the contract are concerned.

- b) **Automobile Liability** – Contractor shall maintain automobile liability insurance with limits not less than \$1,000,000 per accident. Such insurance shall cover liability arising out of motor vehicles including owned, hired and non-owned motor vehicles.
- c) **Workers Compensation and Employers Liability** – Contractor shall maintain statutory workers' compensation and employers' liability coverage for all its employees who will be engaged in the performance of the Contract. In addition, employer's liability limits of \$1,000,000 are required.
- d) **Medical Malpractice (Professional Liability)** – Should the Scope of

Work involve licensed medical practitioners then contractor shall maintain Professional Liability covering any damages caused by a negligent error, act or omission with limits not less than \$1,000,000 per occurrence and \$1,000,000 policy aggregate. The policy's retroactive date must be displayed on the certificate of insurance and must be before the date this contract was executed or before the beginning of contract work.

18. **OPTIONAL TERMINATION OF AGREEMENT:**

- a. Either party may terminate this agreement upon 30 days written notice to other party, or the **RECIPIENT** may relinquish or the **STATE** may repossess any portion of the DASU upon like notice to the other party, except that the **STATE** may repossess any portion thereof without written notice whenever it deems the same is not being maintained or repaired in accordance with this agreement.
- b. Save to the extent that it is relieved from liability therefore under other provisions of this agreement, upon the optional termination thereof (or the expiration of the same), the **RECIPIENT** agrees to return the DASU in the same condition as received; reasonable wear and tear, acts of God, and conditions over which he has no control of.
- c. As inventory discrepancies will occur whenever items of the DASU are replaced, deleted or added by the **STATE** or replaced by the **RECIPIENT**, it is mutually agreed that no amendment to this agreement need be made at the time of the change; provided however, at the termination of this agreement a complete reconciliation of all equipment will be made. The **RECIPIENT** further agrees that all replacements for equipment will be made with identical or substantially like items. In the event of any disagreement as to the replacement item, a final determination will be made as provided in paragraph 6(e) of this agreement.

19. The **STATE** may in its sole discretion and for such good cause as it determines waive in writing in whole or in part any requirement of this agreement that the DASUs and equipment shall be maintained in operating condition, or repaired, or replaced, providing that any such waiver shall be applicable only to the specific equipment to which it refers.

20. The **STATE** will maintain the Exempt license plate for the DASU through the California Department of Motor Vehicles.

21. **AGREEMENT FOR USE OF RADIO EQUIPMENT:**

- a. The **STATE** will furnish the **RECIPIENT** at the **STATE'S** sole cost, radio equipment to operate on the following **STATE's** assigned frequencies:
TBD -.

- b. The **STATE** agrees to deliver and install, as needed, said equipment without cost to the **RECIPIENT**.
 - c. All repairs to emergency radio and/or maintenance must be performed by a Department of General Services (DGS) authorized repair facility. The first year all repair and maintenance is free of charge and subsequent years will be at the DGS standard rate currently \$122/hour. This document can be viewed at: www.td.dgs.ca.gov/services/OPSRS/maintenanceshops.htm.
 - d. The **RECIPIENT** agrees to operate said radio equipment in accordance with the Rules and Regulations of the Federal Communications Commission. It is further agreed that the **STATE** may cancel this agreement at any time for violation of the laws, rules and/or regulations of the Federal Communications Commission. The effective period of this agreement shall be concurrent with the Federal Communications Commission license(s) of said radio equipment.
 - e. The **STATE** assumes no liability hereunder for claims or losses accruing or resulting to any person, firm or corporation furnishing or supplying work, services or material or services in connection with the performance of this agreement or for any claims and losses accruing or resulting to any person, firm or corporation injured or damaged by performance of either party hereunder. Notwithstanding the above, the **STATE** shall provide necessary Workmen's Compensation at the **STATE'S** own cost and expense as provided under Division 4 of the Labor Code of the State of California.
 - f. Ownership of said equipment is in the **STATE**, and all applications to the Federal Communications Commission seeking authority to add modify or replace equipment covered by this agreement shall be made by and in the name of the State of California. To activate this agreement and in compliance with the control requirements of the Communications Act of 1934, as amended, the **STATE** hereby authorizes the **RECIPIENT** to operate said radio equipment as specified in paragraph "d" of this section.
22. It is mutually understood and agreed that no alteration or variation of the terms of this agreement shall be valid unless made in writing and signed by the parties hereto, and that no oral understanding or agreements not incorporated herein, and no alterations or variations of the terms hereof unless made in writing between the parties hereto shall be binding on any of the parties hereto.
23. **INDEMNIFICATION:** Contractor agrees to indemnify, defend and save harmless the State, its officers, agents and employees from any and all claims and losses

accruing or resulting to any and all contractors, subcontractors, suppliers, laborers, and any other person, firm or corporation furnishing or supplying work services, materials, or supplies in connection with the performance of this Agreement, and from any and all claims and losses accruing or resulting to any person, firm or corporation who may be injured or damaged by Contractor in the performance of this Agreement.

24. **RESOLUTION:** A county, city, district, or other local public body must provide the State with a copy of a resolution, order, motion, or ordinance of the local governing body which by law has authority to enter into an agreement, authorizing execution of the agreement.
25. Nothing in this agreement shall preclude the local EMS agency from implementing additional procedures and policies related to the operation of the DASU within the local EMS agency's OA; so long as they are not in conflict with the provisions of this agreement.

Make: 2007 Ford
Model: E-450 Super duty Cutaway Van (White)

VIN Number: _____

RECIPIENT:

STATE OF CALIFORNIA:

Name/Title

Cesar A. Aristeiguieta, M.D., Director
California State Emergency Medical
Services Authority

Date:

Date:

EXHIBIT A
STATE OF CALIFORNIA
EMERGENCY MEDICAL SERVICES AUTHORITY

VEHICLE INFORMATION

Make: 2007 Ford
Model: E-450 Super Duty Cutaway Van (White)

VIN Number:	1FDXE45PO7DA64776	1FDXE45P97DA64775
	1FDXE45P27DA64777	1FDXE45P47DA64778
	1FDXE45P67DA64779	1FDXE45P27DA64780
	1FDXE45P47DA64781	1FDXE45P67DA64782
	1FDXE45P87DA64783	1FDXE45PX7DA64784
	1FDXE45P17DA64785	1FDXE45P37DA64786
	1FDXE45P57DA64787	1FDXE45P77DA64788
	1FDXE45P97DA64789	1FDXE45PX7DA64798
	1FDXE45P87DA64797	1FDXE45P67DA64796
	1FDXE45P47DA64795	1FDXE45P27DA64794
	1FDXE45P07DA64793	1FDXE45P97DA64792
	1FDXE45P77DA64791	1FDXE45P37DA69292
	1FDXE45P17DA69291	1FDXE45P57DA64790

Description: 2007 Ford E-450 Super Duty Cutaway Van (White), 176" Wheel Base, 14,000 lbs Minimum Gross Vehicle Weight (GVW), 6.0 Liter Power Stroke Diesel Engine, Automatic w/Overdrive (2 wheel drive) Transmission, Heavy Duty Limited slip 4.10 Ratio with Dual Rear Wheels Rear Axel, Radial Tires, Steel (painted white to match cab color) wheels, Air Conditioning/Heater Cab Climate Control, Power Assisted 4 Wheel Disc Brakes, Power Steering, Cruise Control, Full Instrumentation, Heavy Duty Cooling System, Cooler Transmission, High Output/Heavy Duty (140 Amp) Alternator, Dual Heavy Duty 75 Amp Deep Cycle Battery, Dual High Back Bucket Seats, 55 Gallon Fuel Capacity, Telescopic Trailer Mirrors, and Cab Entry Steps

Exhibit A
Product Description, Disaster Ambulance Support Units (DASUs)

1.0 Purpose

As part of an integrated State-level response system, the EMS Authority is purchasing and will strategically place 26 state-owned Disaster Ambulance Support Units (DASUs) within the state. These vehicles will provide direct support to Ambulance Strike Teams (ASTs) during a disaster. These support units will enable our ASTs to better serve the people of California during the initial 72 hours of a disaster.

2.0 Materials

Materials used in the construction and supply of these units shall be new and of a quality conforming to current engineering and manufacturing practices. Materials shall be free of defects and suitable for the service intended. The chassis, body, devices, axles, medical accessories and equipment to be delivered under this agreement shall be standard commercial grade products, which meet or exceed the requirements of this specification.

3.0 Vehicle Chassis

- 3.1 Make/Model: Ford E-450 Super Duty Cutaway Van (White)
- 3.2 Wheel Base: 176"
- 3.3 Minimum Gross Vehicle Weight (GVW): 14,000lbs
- 3.4 Engine: 6.0 Liter Power Stroke Diesel
- 3.5 Transmission: Automatic w/Overdrive (2 wheel drive)
- 3.6 Rear Axel: Heavy Duty, Limited Slip, 4.10 Ratio with Dual Rear Wheels
- 3.7 Tires: Radial
- 3.8 Wheels: Steel (painted white to match cab color)
- 3.9 Cab Climate Control: Air Conditioning/Heater
- 3.10 Brakes: Power Assisted 4 Wheel Disc
- 3.11 Steering: Power
- 3.12 Cruise Control: Yes
- 3.13 Full Instrumentation: Yes
- 3.14 Cooling System: Heavy Duty
- 3.15 Transmission Cooler: Yes
- 3.16 Alternator: High Output/Heavy Duty (140 Amp)
- 3.17 Battery: Dual Heavy Duty 75 Amp Deep Cycle
- 3.18 Seating: Dual High Back Bucket Seats
- 3.19 Fuel Capacity: 55 Gallons
- 3.20 Telescopic Trailer Mirrors
- 3.21 Cab Entry Steps

4.0 Emergency Lights and Siren

- 4.1 Full Size Roof Mounted (on Cab) L.E.D. Light Bar with Integrated Siren.
- 4.2 Separate controls for lights/siren
- 4.3 L.E.D. Flashers on Sides and Rear of Cargo Box
- 4.4 Alternating Flashing Headlights (Wig/Wag)
- 4.5 Dual 100 watt P.A. System
- 4.6 Cab will be fitted with a permanently mounted GPS System in a position to enable comfortable operation by driver or passenger

5.0 Cargo Box

- 5.1 Supreme Manufacturing Box Style **without** over-cab extension
- 5.2 84" Tall by 96" Wide by 16' in Length
- 5.3 6" Cab Extension Upgrade (Ford E-450)
- 5.4 Exterior shall be aluminum sheeting no less than .030 inch thickness
- 5.5 Step-Saver curbside entry door with swing-out option and handle style lock to enable opening from inside or outside of box
- 5.6 The Step-Saver curbside entry door shall be a minimum of 26" from the front of the box and have a minimum 32" opening
- 5.7 Full width swing-out rear doors with handle style lock to enable opening from inside or outside of box
- 5.8 Six evenly spaced 12 volt ceiling lights down the center aisle with two switches, one located inside of side door entrance and one located inside of rear entrance
- 5.9 One-piece crowned aluminum roof for water dispersion
- 5.10 12' One-piece Diamond Plate overlay for added roof strength (antenna support and maintenance) rear 4' with aluminum skin only
- 5.11 Roof supports on 12" centers for added strength
- 5.12 One-piece floor to ceiling fiberglass panels affixed to all inside walls and doors
- 5.13 One-piece diamond-plate floor extending 4" up front wall and both side walls.
- 5.14 Waterproof caulking at joint between diamond-plate and fiberglass to enable interior to be washed out with a hose when necessary.
- 5.15 All door trim, hardware and hinges shall be affixed using tamper resistant fasteners
- 5.16 2 dry chemical powder fire extinguishers with a minimum rating of 5A:10BC and aluminum valve assembly capable of service and refill shall be mounted in the DSU interior near the curb side door and the rear doors for quick access

6.0 Bulk Supply Containers

- 6.1 When referring to an Attached Lid Container (ALC) this specification requires that the container has the following attributes:
 - The ALC's will be constructed from a waterproof material
 - The ALC's will be rectangular in shape and constructed with a hinged attached lid resistant to dust and moisture
 - The ALC's shall be available in 3 sizes (small, medium and large) to accommodate various equipment configurations

- Regardless of size of the ALC, the bottom of one shall be capable of nesting into the top of another of any size. Also, when empty, any size ALC shall be capable of nesting within another of any of the three sizes for storage and transport
- The ALC's shall include an eye or hasp such that the container can be secured closed by either a Master brand Model 180QLFCCSEN, 1-3/4" Weatherproof Lock with extended shackle, or an AC&M brand, Model 9001 Pull-Up type tamper evident seal
- The ALC's will be designed such that capacities and dimensions conform to the following:

CONTAINER	MAXIMUM OUTSIDE DIMENSION IN INCHES	MINIMUM INTERNAL CAPACITY CUBIC FEET / GALLONS
SMALL ALC	21.5" X 15" X 9"	1.12 / 8.5
MEDIUM ALC	21.5" X 15" X 12.5"	1.62 / 12
LARGE ALC	21.5" X 15" X 17"	2.28 / 17

- Each container will be marked with a waterproof label denoting the contents of said container

7.0 Shelving and Backboard Storage Area

- 7.1 Shelving capable of holding the medical supplies modules and spine boards will be installed inside the DSU along both side walls in such a manner that maintains a minimum 24" wide aisle from front to back
- 7.2 The shelving shall be constructed and installed so that:
- Each shelf shall be capable of carrying a load not less than 600 pounds
 - The height of each shelf shall be independently adjustable by the customer to accommodate a varied equipment load
 - Shelving will be of an open construction to the reduce weight of the shelf, to allow unobstructed airflow from shelf to shelf, to allow the bottom of containers or equipment to dry and to attach a variety of anchor points for equipment restraint straps
 - The material from which the shelves are constructed will be non-porous, decontaminable and carry a finish warranty not less than 1 year from date of delivery
 - The shelving design will allow for a minimum of 215 square feet including spine board storage
 - The material from which the shelves are constructed will be non-porous, decontaminable and carry a finish warranty not less than 1 year from date of delivery
 - The shelving design will provide for restraints to secure the supplies and equipment load during transit

- The maximum completed weight as installed of the shelving unit shall not exceed 700 lbs minus backboard storage
- The shelving system shall be attached with steel screws in a manner that allows the shelving to be removed by the purchaser if necessary cleaning or shelf adjustment

8.0 Incident Command/Triage Support Equipment

- 8.1 The DASU will be equipped with a Mass Casualty Incident Management kit, packaged in a medium ALC. The kit shall include:
- Identification vests for the following IMS/EMS titles/positions in the colors specified: MEDICAL (Blue) – TRIAGE (Yellow) – TREATMENT (Red) – TRANSPORTATION (Green) – STAGING (Orange)
 - A clipboard for MEDICAL – TRIAGE – TREATMENT – TRANSPORT – STAGING with relative job descriptions and forms for managing the responsibilities for each assignment
 - 35 (each) waterproof, color coded, sequentially numbered and bar-coded triage tags
 - The tag will be the California Fire Chiefs approved tag
 - All tear-off portions of the tag will be numbered such that they can be referenced back to the tag base number
 - The tag will include a pre-designated space for noting if decontamination was performed
 - The tag will include a pre-designated space for noting whether or not Mark 1 Kits® have been administered and, if so, the number
 - The tag will include a pre-designated space for noting whether or not a Diazepam Auto-Injector has been administered
 - The tag will include a section that is designed to be removed and kept by the Transportation group to track patient movement; The section will include spaces clearly marked for recording the patient name, gender, transportation destination, transporting unit, and time of departure from the scene
 - The tag shall be manufactured and printed such that when the tag is immersed for 30 minutes in a decontamination solution containing 1:1,000 hypochlorite solution neither the tag material nor the printing degrades
 - The tag shall be manufactured and printed such that they can be marked upon with a pencil, ball-point ink pen, permanent marker when dry and a wax crayon or "China Marker" when the tag is wet

9.0 Command Vests

- 9.1 The equipment load will include mesh command vests with side buckle closure and a minimum of 144 square inches of 3M reflective material denoting the following positions: INCIDENT COMMANDER – PUBLIC INFORMATION OFFICER – SAFETY OFFICER – OPERATIONS in standard California Incident Command Color Scheme

10.0 Additional Triage Support/Incident Command Equipment

- 10.1 An erasable EMS tactical command sheet not less than 24" wide x 18" high, printed in at least four colors, which may be written on with dry erase markers, water-based markers, and grease pencils, with provisions for noting:
- Hospital names and number of patients in each of the three triage color areas (RED- YELLOW - GREEN) that each hospital is capable of receiving
 - Number of and types of units in staging
 - Color coded areas for tracking the numbers and classifications of victims that have been triaged
 - The number and classification of patients in each treatment/holding area (IMMEDIATE - DELAYED - MINOR - DECEASED)
 - Command personnel assignments including function of the group/location of division/vehicles and personnel assigned and relative radio channels and/or frequencies
- 10.2 The equipment load will also include a set of six (06) treatment area flags:
- Four (04) shall be color coded and printed to identify the standard MCI treatment/holding areas one each of: (RED 1 - YELLOW 2 - GREEN 3 - BLACK 0)
 - One (01) flag shall clearly identify the "Treatment Area Entrance" in a color that contrasts from that of other area identification flags to avoid confusion
 - One (01) flag that clearly identifies the "Triage Area" in a color that contrasts from that of other area identification flags to avoid confusion
 - The flags shall be securely packaged in a clearly labeled nylon storage bag designed for the purpose of storage and transportation
- 10.3 In order to mount the flags, the DSU will be equipped with a minimum of six telescoping flag pole stands made from steel that extend to a minimum of 10' tall for use and that collapse and fold for storage to a profile not larger than 3" in diameter by 24" long and weighing no more than 5 pounds each
- 10.4 The equipment load shall also include a set of waterproof tarps as follows:
- The tarps will be provided in colors consistent with the classification of patients in treatment/holding areas (IMMEDIATE/RED - DELAYED/YELLOW - MINOR/GREEN - DECEASED/BLACK).
 - The tarps will be stored in a medium ALC
 - The minimum ground covering size for each tarp shall be no less than 16' x 20'
- 10.5 #1 - 3" x 1000' roll of orange colored, plastic barricade tape imprinted with the title "Command Post"
- 10.6 #1 - 3" x 1000' roll of red colored, plastic barricade tape imprinted with the title "1st Priority"
- 10.7 #1 - 3" x 1000' roll of yellow colored, plastic barricade tape imprinted with the title "2nd Priority"
- 10.8 #1 - 3" x 1000' roll of green colored, plastic barricade tape imprinted with the title "3rd Priority"
- 10.9 #1 - 3" x 1000' roll of white colored barricade tape imprinted with

the title "Triage Area"

- 10.10 The equipment load shall also include four (04) separate dispenser packs, each capable of holding 4 rolls of survey "flagging" tape a minimum of one inch wide by 100 feet long as described below:
- The dispensers shall be mounted upon a waist belt equipped with an adjustable buckle clasp. The belt shall be capable of field adjustment to fit adults with waist sizes ranging from 24" to 48"
 - The dispenser shall be made from water resistant nylon with zippered, color-coded compartments to store and dispense tape for initial triage
 - Each dispenser pack shall have one roll each of survey flagging tape in the following colors: RED – YELLOW – GREEN – BLACK
- 10.11 The equipment load shall include a Megaphone with at a minimum, volume control switch, dynamic type microphone, pistol-trigger type push-to-talk switch, carry strap and with a minimum power output of 10 watts peak, 2 watts minimum rated duty output

11.0 BLS Treatment Kits

- 11.1 Each DASU shall be equipped with a minimum of 10 trauma kits, each of which will contain at a minimum the following treatment supplies:
- #2 - Individually packaged sterile 5" x 9" ABD pads
 - #50 Pouches - Sterile 4' x 4" gauze pads (2 pads per pouch).
 - #10 - 3" x 5 yard individually packaged sterile rolled gauze bandages
 - #2 - Individually packaged 3" elastic bandage
 - #2 - Rolls of medical tape one inch wide by ten yards in length made of plastic or cloth designed to tear squarely without scissors
 - #4- Individually packaged non-sterile triangular bandages
 - #2 - Individually packaged sterile 3" x 9" occlusive/petroleum gauze dressings
 - #1 - Individually packaged sterile multi-trauma dressing a minimum of 10" x 30" in size
 - #5 - Individually packaged sterile compression bandages pre-sewn and assembled from a sterile 5" x 9" ABD pad and 2 sterile rolled gauze bandages a minimum of 3" in width ready to apply without field assembly
 - #1 - Individually packaged sterile burn sheet a minimum 60" x 96"
 - #1 - 8 ounce pour type container of skin / eye flush solution
 - #1 - Adult size CPR pocket mask with one-way valve packaged in crush resistant case
 - #2 - Number 3 oral airways (90 mm)
 - #2 - Number 4 oral airways (100 mm)
 - #2 - Number 5 oral airways (110 mm)
 - #6 - Mylar Blankets
 - #2 - Penlights w/replaceable batteries
 - #2 - Trauma Shears
 - #1 - Red plastic bio hazardous waste bag a minimum of 24" x 24"
 - #10 - Individually packaged antimicrobial hand-wipes

- #1 - Pair safety goggles
 - #1 - Surgical mask with ear loop attachment
- 11.2 Each trauma kit will be packaged in a water resistant padded trauma bag as follows:
- The trauma bag will have a minimum of four compartments, each individually zipper closed in order to prevent contamination of supplies
 - The bag shall be manufactured or printed with a minimum of twelve (12) square inches of reflective trim
 - The bag shall be manufactured and printed with a reflective "Star-Of-Life" graphic a minimum of 4" in diameter to identify it from other similarly packaged equipment at the scene of a disaster
 - The bag shall be capable of holding the entire contents listed above and shall include a main body compartment at least 8" by 10" by 11½", end pockets a minimum of 8" by 6" by 3" and with an overall length of at least 17½" inches but not greater than 24"
 - Included in the trauma bag will be a minimum of two mesh bags each capable of holding at least 10 pairs of medium or large non-sterile exam gloves and mounted in such a manner as to be accessible with the main compartment open and without removing any of the supplies stored inside

12.0 Trauma Supply Modules

- 12.1 Each DASU shall be equipped with a minimum of three (03) trauma supply modules, each of which will be packaged in a large ALC and each shall contain at a minimum the following treatment supplies:
- #20 - Individually packaged, sterile 5" x 9" ABD pads
 - #100 Pouches Sterile 4" x 4" gauze pads (2 pads per pouch)
 - #24 - 3" x 12' individually packaged sterile rolled gauze bandages
 - #4 - Individually packaged 3" elastic bandages
 - #6 - Rolls of medical tape at least 1" wide by 10 yards in length made of plastic or cloth designed to tear squarely without scissors
 - #12 - Triangular bandages in non-sterile individual packages
 - #12 - Individually packaged sterile 3" x 9" occlusive/petroleum gauze dressings
 - #8 - Individually packaged 10" x 30" sterile multi-trauma dressings
 - #100 - Adhesive bandages a minimum of 1" x 3"
 - #20 - Individually packaged sterile compression bandages pre-sewn and assembled from a sterile 5" x 9" ABD pad and 2 sterile rolled gauze bandages a minimum of 3" in width ready to apply without field assembly
 - #5 - Individually packaged sterile burn sheets a minimum 60" x 96" packaged in a clear pouch for rapid identification
 - #5 - 8 ounce pour type container of skin / eye flush solution
 - #4 - Red plastic bio hazardous waste disposal bags 24" x 24"
 - #5 - Pairs of trauma shears

13.0 Splinting Supply Modules

13.1 Each DASU shall be equipped with a minimum of three splinting supply modules, each of which will be packaged in a medium ALC and each shall contain at a minimum the following treatment supplies:

- 24 - Triangular bandages in non-sterile individual packages
- #12 - 36" SAM splints, folded
- #12 - 18"x9" corrugated cardboard splints with closed cell foam padding of delivery
- #10 - 3" elastic bandages
- #4 - Rolls of medical tape at least 1" wide by 10 yards in length made of plastic or cloth designed to tear squarely without scissors

14.0 Adult Airway Supply Module

14.1 Each DASU shall be equipped with a minimum of three adult airway supply modules, each of which will be packaged in a large ALC and each shall contain at a minimum the following airway management supplies:

- #10 - Non-latex nasopharyngeal airways 24 French diameter
- #10 - Non-latex nasopharyngeal airways 28 French diameter
- #6 each - 2.7 gram packages of water-based surgical lubricant
- #12 - Number 4 (100 mm) oral airways
- #12 - Number 5 (110 mm) oral airways
- #12 - Number 6 (120 mm) oral airways
- #1 - Single tube stethoscope with a combination diaphragm/bell chest piece
- #2 - Manual suction pumps with a disposable 300 milliliter collection container
- #6 - Disposable adult bag valve mask resuscitator bags with a capacity not less than seven-hundred and fifty milliliters and delivered with an adult face mask, reservoir bag and oxygen supply tubing

15.0 Pediatric Airway Supply Modules

15.1 Each DASU shall be equipped with a minimum of one pediatric airway supply module, each of which will be packaged in a large ALC and each shall contain at a minimum the following airway management supplies:

- #24 - Number 2 (80 mm) oral airways
- #24 - Number 3 (90 mm) oral airways
- #24 - Number 4 (100 mm) oral airways
- #1 - Single tube stethoscope with a combination diaphragm/bell chest piece
- #2 - Manual suction pumps with a disposable 300 milliliter collection container
- #6 - Disposable pediatric bag valve mask resuscitator bags delivered with a pediatric face mask, reservoir bag and oxygen supply tubing

16.0 Spinal Immobilization Supplies & Long Bone Splinting Equipment

- 16.1 Each DASU shall be equipped to provide complete spinal immobilization to a minimum of 50 adults
- 16.2 Each unit shall contain a minimum of 50 spine boards which conform to the following specifications:
- The spine boards shall be a minimum of seventy-two inches long
 - The spine boards shall be a maximum of 2 ¼" of an inch thick
 - The spine boards shall be no less than 16" wide
 - The spine boards shall weigh no more than 15 pounds each
 - The spine boards shall support no less than 450 pounds when wet as a result of a pass through a decontamination line
 - The boards shall be delivered ready for use requiring no field assembly
 - The spine boards shall be capable of floating a 165 pound adult in water
 - The spine boards shall be 100% x-ray translucent
 - The design of the spine board shall provide a means to restrain each leg of an adult to the board individually to provide for splinting during decontamination
 - The spine boards shall carry a lifetime warranty
- 16.3 The equipment load shall include 150 backboard straps:
- Straps shall be a minimum of 9' in length
 - The backboard straps shall be manufactured from a nylon material
 - Buckle shall be of a seat belt style
- 16.4 The equipment load shall include a minimum of 10 Pedi-Loc (or equivalent) pediatric immobilizers
- 16.5 The equipment load shall include a minimum of 50 disposable cervical immobilization devices capable of restraining the head of an adult wearing cervical collar to a spine board as follows:
- The head immobilizer shall fold flat for storage and weigh no more than 5 ounces
 - The cervical immobilization device shall be designed such that the head immobilizer does not restrict access for evaluation of the patient's ear canals when in use
 - The cervical immobilization device shall be designed and constructed such that it is 100% x-ray translucent
- 16.6 The equipment load shall include 50 adult cervical collars
- 16.7 The equipment load shall include 30 pediatric cervical collars
- 16.8 The cervical collars shall meet the following specifications:
- The cervical collars shall fold flat for storage
 - The adult cervical collars shall be adjustable and have at least 4 size options
 - The pediatric cervical collars shall be adjustable and have at least 3 size options
 - The cervical collars shall be latex free and hypoallergenic
 - The cervical collars shall be designed with a space to monitor the trachea and to assess the carotid pulse of a collared patient

- The cervical collars shall be 100% x-ray translucent and waterproof
- 16.9 Cervical collars will be packaged in groups of 10 in clearly labeled nylon storage bags designed for the purpose. Bags for adult and child collars shall be of different colors
- 16.10 The equipment load shall include 30 disposable waxed corrugated fiberboard splints each 36" long by 16" wide perforated for application suitable for splinting the leg of a adult patient and is 100% x-ray translucent
- 16.11 The equipment load shall include 20 each 34" long by 12" wide corrugated cardboard splints with closed cell foam padding suitable for splinting the leg of a pediatric patient and is 100% x-ray translucent

17.0 Diagnostic Equipment Module

- 17.1 The DASU shall be equipped with the following diagnostic equipment packaged for transport in a small ALC:
- #8 - Single tube stethoscopes with a combination diaphragm/bell chest piece
 - #4 - Adult blood pressure cuffs with aneroid gauge capable of measuring blood pressure in adults with an arm circumference between 27 and 34 centimeters
 - #1 - Large adult blood pressure cuff with aneroid gauge capable of accurately measuring blood pressure in adults with an arm circumference between 35 and 44 centimeters
 - #1 - Pediatric blood pressure cuff with aneroid gauge capable of accurately measuring blood pressure in children or small adults with an arm circumference between 17 and 26 centimeters
 - #6 Penlights w/replacement batteries

18.0 Infection Control and Personal Protective Equipment

- 18.1 The equipment load for the DASU shall include a medium ALC stocked with the following contents:
- #2 - Boxes of 50 pairs of medium nitrile gloves
 - #3 - Boxes of 50 pairs of large nitrile gloves
 - #3 - Boxes of 50 pairs of extra-large nitrile gloves
- 18.2 The equipment load for the DASU shall include one or two large ALC's stocked with the following contents:
- #20 - Pairs of coveralls in size MEDIUM
 - #20 - Pairs of coveralls that in size LARGE
 - #20 - Pairs of coveralls in size EXTRA-LARGE
- 18.3 The equipment load for the DASU shall include a medium ALC stocked with the following contents:
- #20 - Surgical masks secured to the wearer with ear loops
 - #4 - 1 quart sharps containers
 - #30 - Red plastic bio hazardous waste disposal bags a minimum of 24" x 24"
 - #50 - Pairs of foam ear plugs with cords

- #12 - Pair of safety glasses
- #50 - Individually packaged antimicrobial hand wipes that contain parachlorometaxylenol (PCMX) 0.5% and SD Alcohol 40%
- #1 - Container of 160 alcohol-free germicidal equipment wipes 6" x 6-3/4" pre-saturated with a pre-measured germicidal solution effective against Hepatitis B virus, Methicillin Resistant Staphylococcus Aureus (MRSA), Vancomycin Resistant Enterococcus Faecalis (VRE), Escherichia coli (E-coli) and effective against HIV-1, Influenza A2, and Herpes Simplex
- #48 - Hooded clear plastic rain ponchos, minimum 50" x 80"
- #4 - Rolls of duct tape
- #6 - Waterproof headlights with adjustable headband and large, positive on-off switch
- #48 - Replacement batteries for headlamps

19.0 Patient Transfer Litters

19.1 The equipment load for the DASU shall include at least 2 patient transfer litters with the following specifications:

- The wheeled patient transfer litter shall not exceed 17" in width, 60" in length or 16" in thickness when stored
- The wheeled patient transfer litter shall weigh no more than 50 Lbs
- The wheeled patient transfer litter shall have a rated carrying capacity no less than 450 pounds
- The wheeled patient transfer litter shall be designed such that on flat ground a single responder can load and transport a back-boarded patient weighing a minimum of 165 pounds
- The wheeled patient transfer litters shall be designed such that when loaded the patient and backboard do not rest on the ground but are not more than 16" above the ground
- The wheeled patient transfer litters shall be made from a decontaminable, non-absorbent, material not affected by weather extremes of heat or cold
- The wheeled patient transfer litters shall be finished with paint, powder coating or anodized in a color other than black or green to avoid confusion of equipment with that of military or police tactical medical response units
- The wheeled patient transfer litter shall be designed such that on flat ground and when loaded but not in transit, the patient rests in a level position to prevent spiking intracranial pressure or hypotension

20.0 Miscellaneous Equipment

- 20.1 The equipment load for the DASU shall include a small ALC stocked with Twenty Four 5" x 9" instant cold packs
- 20.2 The equipment load for the DASU shall include a small ALC stocked with Twenty Four 5" x 9" instant hot packs
- 20.3 The equipment load for the DASU shall include a small ALC stocked with 200 Mylar blankets

- 20.4 The equipment load for the DASU shall include a medium ALC stocked with the following contents:
- Six Plastic urinals with lids
 - Eight Plastic fracture bed pans
 - Ten Individually packaged antimicrobial hand wipes
 - Two OB kits
- 20.5 The equipment load for the DASU shall include a small ALC stocked with the following contents:
- Fifteen White, medium duty body bags of sealed vinyl construction, 36" x 90" in size, with curved zipper, and without handles
 - Twenty Foil packets of odor masking agent
- 20.6 One PETT field deployable toilet system with privacy shelter
- 20.7 One Hand-Truck with nose-plate extension

21.0 ALS Kits

- 21.1 Each DASU shall be equipped with a minimum of 2 ALS kits, each of which will contain at a minimum the following treatment supplies:
- Ten Individually packaged sterile 5" x 9" ABD pads
 - Twenty Pouches - Sterile 4" x 4" gauze pads (2 pads per pouch)
 - Four 3" x 12' individually packaged sterile rolled gauze bandages
 - One individually packaged 3" elastic bandage
 - Two rolls of medical tape one inch wide by ten yards in length made of plastic or cloth designed to tear squarely without scissors
 - Four Individually packaged non-sterile triangular bandages
 - Two Individually packaged sterile 3" x 9" occlusive/petroleum gauze dressings
 - One Individually packaged sterile multi-trauma dressing a minimum of 10" x 30" in size
 - Five Individually packaged sterile compression bandages pre-sewn and assembled from a sterile 5" x 9" ABD pad and 2 sterile rolled gauze bandages a minimum of 3" in width ready to apply without field assembly
 - One Individually packaged sterile burn sheet a minimum 60" x 96"
 - One 8 ounce pour type container of skin / eye flush solution
 - One Adult size CPR pocket mask with one-way valve packaged in crush resistant case
 - Two Number 0 oral airways (60 mm)
 - Two Number 1 oral airways (70 mm)
 - Two Number 2 oral airways (80 mm)
 - Two Number 3 oral airways (90 mm)
 - Two Number 4 oral airways (100 mm)
 - Two Number 5 oral airways (110 mm)
 - Six Mylar blankets
 - One Disposable penlights
 - Four Red plastic bio hazardous waste bag a minimum of 24" x 24"
 - Ten Individually packaged antimicrobial hand wipes

- One Surgical mask secured to the wearer with ear loops
- One Pair of safety glasses
- One Single tube stethoscopes with a combination diaphragm/bell chest piece
- Two Adult blood pressure cuffs with aneroid gauge capable of measuring blood pressure in adults with an arm circumference between 27 and 34 centimeters
- Two Disposable adult bag valve mask resuscitator bags with a capacity not less than seven-hundred and fifty milliliters and delivered with an adult face mask, reservoir bag and oxygen supply tubing
- Two Manual suction pumps with a disposable 300 milliliter collection container
- Four ET tube stylettes

21.2 Nylon Intubation Equipment Carry Case capable of containing:

- One Laryngoscope Handle using "C" batteries
- One #0 Miller laryngoscope blade
- One #1 Miller laryngoscope blade
- One #2 Miller laryngoscope blade
- One #3 Miller laryngoscope blade
- One #2 Macintosh laryngoscope blade
- One #3 Macintosh laryngoscope blade
- One #4 Macintosh laryngoscope blade
- Two "C" size batteries
- One Adult Magill forceps
- One Pediatric Magill Forceps
- Twelve 2.7gm foil packets of water soluble surgical lubricant
- Five 12cc syringes without needles
- Two Syringe style esophageal intubation detectors
- Twelve Precut sections of trach tape for securing ET tubes
- Two 3.0mm un-cuffed ET tubes
- Two 4.0mm un-cuffed ET tubes
- Two 5.0mm un-cuffed ET tubes
- Two 6.0mm cuffed ET tubes
- Four 7.0mm cuffed ET tubes
- Four 7.5mm cuffed ET tubes
- Two 8.0mm cuffed ET tubes
- Two Stylettes-Adult
- Two Stylettes- Pediatric

21.3 Each ALS kit will be packaged in a water resistant padded trauma bag as follows:

- The trauma bag will have a minimum of four compartments, Each individually zipper closed in order to prevent contamination of supplies
- The bag shall be manufactured or printed with a minimum of twelve (12) square inches of reflective trim
- The bag shall be manufactured and printed with a reflective "Star-Of-Life" graphic a minimum of 4" in diameter to identify it from other similarly packaged equipment at the scene of a disaster

- The bag shall be capable of holding the entire contents listed above and shall include a main body compartment at least 8" by 10" by 11½", end pockets a minimum of 8" by 6" by 3" and with an overall length of at least 17½" inches but not greater than 24"
- Included in the trauma bag will be a minimum of two mesh bags each capable of holding at least 10 pairs of medium or large non-sterile exam gloves and mounted in such a manner as to be accessible with the main compartment open and without removing any of the supplies stored inside

22.0 Patient Comfort

- 22.1 The equipment load for the DASU shall include at least 2 rolling blanket containers each containing 35 40" x 80" blankets made of 100% polyester

23.0 Oxygen Cylinders

- 23.1 Each DASU shall be equipped with a minimum of two (02) "H" size oxygen cylinders and ten (10) "D" size oxygen cylinders
- 23.2 "H" Cylinders shall be secured to a wheeled mechanism to allow them to be removed from DASU
- 23.3 While in DASU, "H" Cylinders and Cart shall be securely fastened to the wall of the DASU
- 23.4 Securing system for cylinder and cart shall be designed in such a way so as to allow for rapid deployment without the need for any tools
- 23.5 While in the DASU, "D" Cylinders shall be secured in an appropriate rack mounted on the wall or floor

24.0 Mass Oxygen Administration Equipments Modules

- 24.1 Each DASU shall be equipped with a minimum of two (02) mass oxygen administration equipment modules, each of which will be packaged in a small ALC and each shall contain at minimum the following equipment:
- One 5 outlet oxygen manifold, each outlet having the capability of flow rates of 0-15 LPM, and with a male DISS inlet
 - Two 20' high pressure green oxygen hoses with female DISS nuts on each end
 - One oxygen tank pressure reducer with CGA-540 connection and providing a pressure of 50psi
 - One oxygen tank wrench with cable capable of tightening or loosening both a CGA-540 fitting and a DISS fitting
 - Five single outlet oxygen regulators with flow ratings from 0-10 liters per minute to fit "D" cylinders

25.0 Oxygen Administration Supplies Module

- 25.1 Each DASU shall be equipped with a minimum of 50 adult oxygen canulas, each of which will be packaged in a small ALC
- 25.2 Each DASU shall be equipped with a minimum of 50 adult oxygen reservoir masks, each of which will be packaged in a medium ALC
- 25.3 Each DASU shall be equipped with a minimum of 25 pediatric oxygen masks

26.0 IV Supplies Module

- 26.1 Each DASU shall be equipped with a minimum of Two (02) IV supplies module, each of which will be packaged in a medium ALC and each shall contain at a minimum the following IV supplies:
 - 48- 1,000 cc bags of Normal Saline Solution
 - 50 - Macro drip IV tubing sets
 - 50 - Micro drip IV tubing sets
 - 50 - IV start kits containing tourniquet,
 - 50 - 14 gauge safety style IV catheters
 - 50 - 16 gauge safety style IV catheters
 - 50 - 18 gauge safety style IV catheters
 - 50 - 20 gauge safety style IV catheters
 - 50 - 22 gauge safety style IV catheters
 - 50 - 24 gauge safety style IV catheters

27.0 Portable Flood Lights

- 27.1 Each DASU shall be equipped with a minimum of two (02) portable floodlights
- 27.2 Each floodlight shall be 500 watts
- 27.3 Each floodlight shall be mounted on a heavy duty tripod
- 27.4 Each floodlight shall have standard household type plugs
- 27.5 Each floodlight shall be securely mounted within the DSU; Mounts shall allow the lights to be rapidly deployed without the use of tools
- 27.6 Each DASU shall be equipped with a minimum of two (02) 14 gauge all weather extension cords 50 foot in length

28.0 Generator System

- 28.1 Each DASU shall be equipped with a portable gasoline powered generator
- 28.2 Generator shall rated at a minimum of 3,000 watts sustained output at 110 volts
- 28.3 Generator shall be ultra quiet (Honda Type)
- 28.4 Generator shall be carried securely in a weatherproof outside compartment of the DASU, isolated from any medical supplies or equipment
- 28.5 Generator shall be secured in the compartment in such a way as to be capable of being removed from the compartment for portable use
- 28.6 Two 5 gallon Type I safety cans for storing gasoline shall be included; Gasoline cans must be mounted outside main cargo area of DSU so as to be isolated from any medical supplies or equipment

29.0 Emergency Radios

29.1 All vehicles will be delivered to DGS Fleet Administration in Sacramento, California for radio installation and certification

30.0 Placement

30.1 All vehicles will be placed via Memorandum of Understanding (MOU) between the state and local providers. Vehicles are to be maintained, driven and utilized per the language contained in the MOU.